

Ashish Tyagi

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SUMMARY

Hands-on Android Platform Engineer with 8+ years of experience building scalable, high performance fintech apps. Expert in Jetpack Compose, Kotlin, Coroutines, and modular architecture. Strong leader who remains deeply technical, driving UI migrations, performance optimization, and crash reduction. Skilled in AI assisted development and cross functional collaboration to deliver reliable, secure, and user centric mobile experiences at scale.

EXPERIENCE

Senior Technical Lead (Mobile Android Platform)

Paytm / Paytm Money

February 2020 - April 2025

- Modernized the Paytm Money Android app by leading the end-to-end migration to Jetpack Compose, introducing scalable UI patterns and reusable components, reduced UI development time by 30%, boilerplate by 40%, and improved screen rendering performance by 20–25%.
- Pioneered AI-driven development using GitHub Copilot and LLM-based workflows, improving developer efficiency and reducing repetitive coding effort by 40%, while accelerating feature delivery by 20–30%.
- Delivered high impact trading modules (holdings, positions, order book, live feeds, analytics) while leading and mentoring a team of 5+ Android engineers, improved team velocity by 25% through architectural guidance, code reviews, and engineering best practices.
- Designed and maintained WebSocket infrastructure for real-time market feeds, improving data throughput and reducing latency by 30% through optimized serialization, reconnection strategies, and lifecycle-aware stream handling.
- Improved platform stability by reducing crash rate by 35–45%, driving Crashlytics-based triage, strengthening observability, and enabling rapid root cause analysis aligned with sprint delivery cycles.
- Collaborated with product managers, designers, backend, QA, and compliance teams to align feature development with platform guidelines, improving cross functional throughput and reducing fintech flow iteration time by 15–20%.
- Ensured stable, predictable releases during high volatility market hours by proactively identifying risks, improving monitoring, and enhancing defensive coding practices, maintaining 98%+ crash free sessions.
- Enhanced Paytm's internal mobile platform through Phoenix, an Android Web hybrid runtime, enabling teams to ship features faster without native code overhead.
- Built secure native web bridges, WebView communication channels, and optimized hybrid runtime performance, enabling web driven flows to ship 2× faster.
- Contributed to Paytm Travels by developing the Search by Train Number feature, reducing booking flow time by 25% and improving search accuracy and conversions.

Associate IT Consultant

ITC Infotech

October 2016 - February 2020

- Designed, developed and delivered Android applications across publishing and digital advisory (Glassboxx, uLibrary, Bayer Digital Farming), improving usability and supporting thousands of global users.
- Built end to end features and restructured legacy codebases, reducing development time by 20–25% through reusable components and modular architecture.

- Led and mentored a team of two developers, improving productivity and enabling independent delivery.
 - Analyzed user needs and collaborated with product teams to reduce requirement ambiguity by 30% and increase delivery accuracy.
 - Developed reusable Android libraries (Weather, Field Profile, Cropping Calendar, Profit & Loss), enabling 40% faster module development across subsequent projects.
 - Improved API reliability by coordinating with backend microservices teams, reducing API-related issues by 25%.
 - Performed efficient debugging, manual testing, and production RCA, decreasing defect resolution time by ~35%.
 - Designed mobile database structures and multilingual content packaging for Southeast Asia, enabling localized access in multiple languages.
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EDUCATION

PG Diploma in Mobile Computing

CDAC • Bengaluru • 2016

B.Tech, Computer Science & Engineering

Bharat Institute of Technology • Meerut • 2015

AWARDS & HONORS

Rockstar

Paytm Money • 2021 & 2024

Hall of Fame

Paytm Money • 2024

Best Associate IT Consultant

ITC Infotech • 2018

SKILLS

Technical Leadership • Mentoring • Architecture Reviews • Sprint Planning • Cross-functional Collaboration • Risk Management • Stakeholder Communication

Jetpack Compose • Kotlin • Coroutines • Flow • LiveData • ViewModel • Room • Jetpack Navigation • Material 3 • Modular Architecture • Clean Architecture • Dependency Injection (Dagger/Hilt)

App Start-up Optimization • Rendering Performance • Memory Management • Runtime Debugging • Crash Analytics (Firebase) • Observability • Profiling (CPU, Memory, Network) • Threading Optimization

Reusable UI Components • Platform APIs • Internal Frameworks • WebView Bridges • Hybrid Runtime • Modularization • Internal SDKs • CI/CD • Code Quality • Lint & Static Analysis

GitHub Copilot • AI-Assisted Development • Automated Code Generation • LLM-Based Code Reviews

CI/CD, Build Automation, Release Management

Testing: Unit, Integration, UI (JUnit, Espresso, Mockito)
